

AUTHOR INDEX TO VOLUME 36, NUMBER 3,4

- Ayyub, T.Y. and W. Bogusz, Influence of zirconia doping on the physical properties of LISICON 36 (1989) 247
- Balakireva, V.B. and V.P. Gorelov, Proton and hole transport in CaO-doped erbia 36 (1989) 217
- Baranov, A.I., B.V. Merinov, A.V. Tregubchenko, V.P. Khiznichenko, L.A. Shuvalov and N.M. Schagina, Fast proton transport in crystals with a dynamically disordered hydrogen bond network 36 (1989) 279
- Bogusz, W., see T.Y. Ayyub 36 (1989) 247
- Bogusz, W., see F. Krok 36 (1989) 251
- Breiter, M.W., see H. Durakpasa 36 (1989) 205
- Bruce, P.G. and F. Krok, Characterisation of the electrode/electrolyte interfaces in cells of the type Li/PEO-LiCF₃SO₃/V₆O₁₃ by ac impedance methods 36 (1989) 171
- Bukun, N., see R. Vaitkus 36 (1989) 231
- Bukun, N.G. and E.A. Ukshe, Electrochemical injection in solid electrolyte systems 36 (1989) 183
- Burckhardt, W. and B. Rudolph, New Li⁺-ion conducting glasses 36 (1989) 153
- Burmakin, E.I., The structure and electrical properties of solid lithium electrolytes in the systems Li₄ZO₄-Li₂Z'O₄ (Z=Si, Ge) 36 (1989) 155
- Burmakin, E.I., see R.P. Lesunova 36 (1989) 275
- Carnevale, G., see D. Gozzi 36 (1989) 159
- Chesnakov, V.A., see A.V. Zaretskii 36 (1989) 225
- Cignini, P.L., see D. Gozzi 36 (1989) 159
- Durakpasa, H., P. Linhardt and M.W. Breiter, Impedance studies of the cell Pt/Ag⁺ conducting glass/Pt 36 (1989) 205
- Dygas, J.R., see F. Krok 36 (1989) 251
- Garbarczyk, J., P. Kurek, J. Nowiński and W. Jakubowski, Applicability of the Meyer-Neldel rule to selected single crystal, ceramic and glassy superionic conductors 36 (1989) 239
- Gerbstein, Yu.M., see Š. Lányi 36 (1989) 179
- Glushková, V.B., see V. Šály 36 (1989) 189
- Goncharov, Yu.G., see V. Železný 36 (1989) 175
- Gorelov, V.P., see V.B. Balakireva 36 (1989) 217
- Gozzi, D., G. Carnevale, P.L. Cignini, L. Petrucci and M. Tomellini, Transport processes at high temperatures related to oxygen activity at YSZ surface 36 (1989) 159
- Haase, I., see T. Reetz 36 (1989) 193
- Hanic, F., see T. Reetz 36 (1989) 193
- Hanic, F., M. Hartmanová, A.A. Urusovskaya, G.G. Knab, N.A. Iofis and I.L. Zyryanova, Crystal chemistry and microhardness of yttria-stabilized ZrO₂(YSZ) doped with WO₃ 36 (1989) 197

- Hartmanová, M., E. Morháčová, A.A. Urusovskaya, G.G. Knab, I. Travěněc and I.I. Korobkov, Defect structure and physical properties of Y_2O_3 36 (1989) 137
- Hartmanová, M., see V. Šály 36 (1989) 189
- Hartmanová, M., see T. Reetz 36 (1989) 193
- Hartmanová, M., see F. Hanic 36 (1989) 197
- Iofis, N.A., see F. Hanic 36 (1989) 197
- Jakubowski, W., see B. Wnętrzewski 36 (1989) 209
- Jakubowski, W., see J.L. Nowiński 36 (1989) 213
- Jakubowski, W., see J. Garbarczyk 36 (1989) 239
- Jakubowski, W., see P. Kurek 36 (1989) 243
- Jakubowski, W., see F. Krok 36 (1989) 251
- Kalinay, P., see I. Travěněc 36 (1989) 267
- Kalinay, P. and I. Travěněc, Simple phenomenological model of permeable electrode-solid electrolyte interface 36 (1989) 271
- Karenina, L.S., see R.P. Lesunova 36 (1989) 275
- Kezhionis, A., V. Samulionis and V. Skritskij, Ultrasonic investigation of phase transition and relaxational phenomena in superionic NASICON 36 (1989) 235
- Khiznichenko, V.P., see A.I. Baranov 36 (1989) 279
- Knab, G.G., see M. Hartmanová 36 (1989) 137
- Knab, G.G., see F. Hanic 36 (1989) 197
- Kony, D., see F. Krok 36 (1989) 251
- Korobkov, I.I., see M. Hartmanová 36 (1989) 137
- Korosteleva, A.I., see E.A. Ukshe 36 (1989) 219
- Kosacki, I., T. Stefański, A.P. Litvinchuk and M.Ya. Valakh, Anion disordering in $Cd_{1-x}Pb_xF_2$ superionic crystals 36 (1989) 227
- Kozlov, G.V., see V. Železný 36 (1989) 175
- Krok, F., see P.G. Bruce 36 (1989) 171
- Krok, F., D. Kony, J.R. Dygas, W. Jakubowski and W. Bogusz, On some properties of NASICON doped with MgO and CoO 36 (1989) 251
- Kukan, Ľ., see Š. Lányi 36 (1989) 179
- Kurek, P., see J.L. Nowiński 36 (1989) 213
- Kurek, P., see J. Garbarczyk 36 (1989) 239
- Kurek, P., J.L. Nowiński and W. Jakubowski, The electrical properties of $0.45Li_2O \cdot 0.55B_2O_3$ glasses doped with Al_2O_3 or LISICON 36 (1989) 243
- Lang, H.-J., see T. Reetz 36 (1989) 193
- Lányi, Š., J. Tuček, Yu.M. Gerbstein and Ľ. Kukan, Electrical properties of $RbAg_4I_5$ /nearly planar electrode interfaces 36 (1989) 179
- Leonova, L.S., see E.A. Ukshe 36 (1989) 219
- Lesunova, R.P., L.S. Karenina, S.F. Palguez and E.I. Burmakin, The investigation of electrical conductivity of lanthanum, calcium and aluminium nitrides 36 (1989) 275
- Linhardt, P., see H. Durakpasa 36 (1989) 205
- Litvinchuk, A.P., see I. Kosacki 36 (1989) 227

- Merinov, B.V., see A.I. Baranov 36 (1989) 279
- Morháčová, E., see M. Hartmanová 36 (1989) 137
- Mrowec, S., Defect and transport properties of nonstoichiometric ferrous oxide 36 (1989) 149
- Müller, W. and M. Torge, Lithium ion migration in glasses 36 (1989) 201
- Nowiński, J., see J. Garbarczyk 36 (1989) 239
- Nowiński, J.L., see B. Wnętrzewski 36 (1989) 209
- Nowiński, J.L., P. Kurek and W. Jakubowski, Some properties of the $\text{AgI-Ag}_2\text{O-P}_2\text{O}_5$ glasses doped with Al_2O_3 36 (1989) 213
- Nowiński, J.L., see P. Kurek 36 (1989) 243
- Orliukas, A., see R. Vaitkus 36 (1989) 231
- Palguez, S.F., see R.P. Lesunova 36 (1989) 275
- Pawłowski, A., see V. Železný 36 (1989) 175
- Petrenko, V.F., see A.V. Zaretskii 36 (1989) 225
- Petrucchi, L., see D. Gozzi 36 (1989) 159
- Petzelt, J., see V. Železný 36 (1989) 175
- Plocharski, J., see W. Wiczorek 36 (1989) 255
- Przyłuski, J. and W. Wiczorek, Increasing the conductivity of polymer solid electrolytes: a review 36 (1989) 165
- Reetz, T., I. Haase, H. Ullmann, H.-J. Lang, F. Hanic, V. Šály and M. Hartmanová, Preparation and properties of transparent thoria-yttria ceramics 36 (1989) 193
- Rudolph, B., see W. Burckhardt 36 (1989) 153
- Šály, V., M. Hartmanová and V.B. Glushková, Electrical behaviour of HfO_2 stabilized with rare earths 36 (1989) 189
- Šály, V., see T. Reetz 36 (1989) 193
- Samulionis, V., see A. Kezhionis 36 (1989) 235
- Schagina, N.M., see A.I. Baranov 36 (1989) 279
- Shuvalov, L.A., see A.I. Baranov 36 (1989) 279
- Skritskij, V., see A. Kezhionis 36 (1989) 235
- Somov, S.I., Application of gas-diffusive solid electrolyte cell for analysis of gas with high oxygen content 36 (1989) 263
- Stefański, T., see I. Kosacki 36 (1989) 227
- Such, K., see W. Wiczorek 36 (1989) 255
- Terekhov, V.I., see L.D. Yushina 36 (1989) 259
- Tomellini, M., see D. Gozzi 36 (1989) 159
- Torge, M., see W. Müller 36 (1989) 201
- Travěnc, I., see M. Hartmanová 36 (1989) 137
- Travěnc, I. and P. Kalinay, Proposal of a method for fitting parameters of an equivalent circuit for dielectrics 36 (1989) 267
- Travěnc, I., see P. Kalinay 36 (1989) 271
- Tregubchenko, A.V., see A.I. Baranov 36 (1989) 279
- Trukhanov, A.V., see A.V. Zaretskii 36 (1989) 225
- Tuček, J., see Š. Lányi 36 (1989) 179

- Ukshe, E., see R. Vaitkus 36 (1989) 231
- Ukshe, E.A., Electrochemical processes at the interface between solid electrolyte and liquid electrolyte 36 (1989) 143
- Ukshe, E.A., see N.G. Bukun 36 (1989) 183
- Ukshe, E.A., L.S. Leonova and A.I. Korosteleva, Protonic conduction in heteropoly compounds 36 (1989) 219
- Ullmann, H., see T. Reetz 36 (1989) 193
- Urusovskaya, A.A., see M. Hartmanová 36 (1989) 137
- Urusovskaya, A.A., see F. Hanic 36 (1989) 197
- Vaitkus, R., A. Orliukas, N. Bukun and E. Ukshe, Dielectric properties of NASICON crystals 36 (1989) 231
- Valakh, M.Ya., see I. Kosacki 36 (1989) 227
- Volkov, A.A., see V. Železný 36 (1989) 175
- Wieczorek, W., see J. Przyłuski 36 (1989) 165
- Wieczorek, W., K. Such, H. Wyciślik and J. Plochanski, Modifications of crystalline structure of PEO polymer electrolytes with ceramic additives 36 (1989) 255
- Wnętrzewski, B., J.L. Nowiński and W. Jakubowski, Glasses of AgI-Ag₂O-P₂O₅ system containing AgI crystalline precipitates 36 (1989) 209
- Wyciślik, H., see W. Wieczorek 36 (1989) 255
- Yushina, L.D. and V.I. Terekhov, Properties of electrode materials synthesized on the base of copper(I) chalcogenides 36 (1989) 259
- Zaretskii, A.V., V.F. Petrenko, A.V. Trukhanov and V.A. Chesnakov, High protonic conductivity of heavily KOH-doped ice 36 (1989) 225
- Železný, V., J. Petzelt, Yu.G. Goncharov, G.V. Kozlov, A.A. Volkov and A. Pawłowski, Far infrared properties of Cs₃H(SeO₄)₂ protonic conductor 36 (1989) 175
- Zyryanova, I.L., see F. Hanic 36 (1989) 197

AUTHOR INDEX TO VOLUME 36

Alvani, C., see F. Croce	36 (1989) 85
Arai, H., see H. Yahiro	36 (1989) 71
Aronson, S. and Y.R. Zhang, Electrochemical properties of complexes of iodine with tri-phenyl-amine, -phosphine, -arsine and -stibine	36 (1989) 81
Auslender, V.L., see V.V. Boldyrev	36 (1989) 1
Ayyub, T.Y. and W. Bogusz, Influence of zirconia doping on the physical properties of LISICON	36 (1989) 247
Bak, T., see J. Molenda	36 (1989) 53
Balakireva, V.B. and V.P. Gorelov, Proton and hole transport in CaO-doped erbia	36 (1989) 217
Baranov, A.I., B.V. Merinov, A.V. Tregubchenko, V.P. Khiznichenko, L.A. Shuvalov and N.M. Schagina, Fast proton transport in crystals with a dynamically disordered hydrogen bond network	36 (1989) 279
Bazán, J.C., see R.A. Montani	36 (1989) 65
Bogusz, W., see T.Y. Ayyub	36 (1989) 247
Bogusz, W., see F. Krok	36 (1989) 251
Boldyrev, V.V., A.P. Voronin, O.S. Gribkov, E.V. Tkachenko, G.R. Karagedov, B.I. Yakobson and V.L. Auslender, Radiation-thermal synthesis. Current achievement and outlook	36 (1989) 1
Breiter, M.W., see H. Durakpasa	36 (1989) 205
Brosda, S., see U. Guth	36 (1989) 127
Bruce, P.G. and F. Krok, Characterisation of the electrode/electrolyte interfaces in cells of the type Li/PEO-LiCF ₃ SO ₃ /V ₆ O ₁₃ by ac impedance methods	36 (1989) 171
Bukun, N., see R. Vaitkus	36 (1989) 231
Bukun, N.G. and E.A. Ukshe, Electrochemical injection in solid electrolyte systems	36 (1989) 183
Burckhardt, W. and B. Rudolph, New Li ⁺ -ion conducting glasses	36 (1989) 153
Burmakin, E.I., The structure and electrical properties of solid lithium electrolytes in the systems Li ₄ ZO ₄ -Li ₂ Z'O ₄ (Z=Si, Ge)	36 (1989) 155
Burmakin, E.I., see R.P. Lesunova	36 (1989) 275
Carabatos-Nédelec, C., see M. Lumberras	36 (1989) 77
Carnevale, G., see D. Gozzi	36 (1989) 159
Casadio, S., see F. Croce	36 (1989) 85
Chesnakov, V.A., see A.V. Zaretskii	36 (1989) 225
Chevy, A., see C. Julien	36 (1989) 113
Cignini, P.L., see D. Gozzi	36 (1989) 159
Croce, F., B. Scrosati, C. Alvani and S. Casadio, Mechanism of oxygen incorporation in the YBa ₂ Cu ₃ O _{6.9} superconductor	36 (1989) 85
Deshpande, V.K., see P.R. Gandhi	36 (1989) 97
Duncan, G.K. and A.R. West, Polytypism in the β-aluminas	36 (1989) 109

- Durakpasa, H., P. Linhardt and M.W. Breiter, Impedance studies of the cell Pt/Ag⁺ conducting glass/Pt 36 (1989) 205
- Dygas, J.R., see F. Krok 36 (1989) 251
- Eguchi, K., see H. Yahiro 36 (1989) 71
- Esaka, T., see H. Uchida 36 (1989) 89
- Esaka, T., T. Mangahara and H. Iwahara, Oxide ion conduction in the sintered oxides of the system Bi₂O₃-MO₂ (M=Ti, Sn, Zr, Te) 36 (1989) 129
- Gandhi, P.R., V.K. Deshpande and K. Singh, Conductivity enhancement in Li₂SO₄ incorporated Li₂O: B₂O₃ glass system 36 (1989) 97
- Garbarczyk, J., P. Kurek, J. Nowiński and W. Jakubowski, Applicability of the Meyer-Neldel rule to selected single crystal, ceramic and glassy superionic conductors 36 (1989) 239
- Gerbstein, Yu.M., see Š. Lányi 36 (1989) 179
- Glushková, V.B., see V. Šály 36 (1989) 189
- Goncharov, Yu.G., see V. Železný 36 (1989) 173
- Gorelov, V.P., see V.B. Balakireva 36 (1989) 217
- Gozzi, D., G. Carnevale, P.L. Cignini, L. Petrucci and M. Tomellini, Transport processes at high temperatures related to oxygen activity at YSZ surface 36 (1989) 159
- Gribkov, O.S., see V.V. Boldyrev 36 (1989) 1
- Guth, U., P. Schmidt, R. Jahn, S. Brosda and H.-H. Möbius, Impedance studies on galvanic cells using oxoanionic solid electrolytes 36 (1989) 127
- Haase, I., see T. Reetz 36 (1989) 193
- Hairetdinov, E.F., see N.F. Uvarov 36 (1989) 23
- Hairetdinov, E.F., see N.F. Uvarov 36 (1989) 29
- Hairetdinov, E.F., see N.F. Uvarov 36 (1989) 39
- Hanic, F., see T. Reetz 36 (1989) 193
- Hanic, F., M. Hartmanová, A.A. Urusovskaya, G.G. Knab, N.A. Iofis and I.L. Zyryanova, Crystal chemistry and microhardness of yttria-stabilized ZrO₂ (YSZ) doped with WO₃ 36 (1989) 197
- Hartmanová, M., E. Morháčová, A.A. Urusovskaya, G.G. Knab, I. Travěnek and I.I. Korobkov, Defect structure and physical properties of Y₂O₃ 36 (1989) 137
- Hartmanová, M., see V. Šály 36 (1989) 189
- Hartmanová, M., see T. Reetz 36 (1989) 193
- Hartmanová, M., see F. Hanic 36 (1989) 197
- Hertz, J., see M. Lumbreras 36 (1989) 77
- Huang, P.-N. and X.-H. Huang, The influence of MO₂, M₂O₃ and MO₃ oxides on the conductivity of lithium borate glasses 36 (1989) 59
- Huang, X.-H., see P.-N. Huang 36 (1989) 59
- Iofis, N.A., see F. Hanic 36 (1989) 197
- Ito, S., see S. Nariki 36 (1989) 103
- Ivanov-Shits, A.K. and N.I. Sorokin, Parameters of bulk and electrode impedance of single crystal superionic conductors Ca_{1-x}R_xF_{2+x} (0.2 ≤ x < 0.4, R=rare earths) 36 (1989) 7
- Ivanov-Shits, A.K., see N.F. Uvarov 36 (1989) 23
- Iwahara, H., see H. Uchida 36 (1989) 89
- Iwahara, H., see T. Esaka 36 (1989) 129

- Jahn, R., see U. Guth 36 (1989) 127
- Jakubowski, W., see B. Wnętrzewski 36 (1989) 209
- Jakubowski, W., see J.L. Nowiński 36 (1989) 213
- Jakubowski, W., see J. Garbarczyk 36 (1989) 239
- Jakubowski, W., see P. Kurek 36 (1989) 243
- Jakubowski, W., see F. Krok 36 (1989) 251
- Jebbari, S., see M. Lumberras 36 (1989) 77
- Julien, C., I. Samaras and A. Chevy, Studies of lithium insertion in bismuth chalcogenide compounds 36 (1989) 113
- Kalinay, P., see I. Travěnc 36 (1989) 267
- Kalinay, P. and I. Travěnc, Simple phenomenological model of permeable electrode-solid electrolyte interface 36 (1989) 271
- Karagedov, G.R., see V.V. Boldyrev 36 (1989) 1
- Karenina, L.S., see R.P. Lesunova 36 (1989) 275
- Kezhionis, A., V. Samulionis and V. Skritskij, Ultrasonic investigation of phase transition and relaxational phenomena in superionic NASICON 36 (1989) 235
- Khiznichenko, V.P., see A.I. Baranov 36 (1989) 279
- Knab, G.G., see M. Hartmanová 36 (1989) 137
- Knab, G.G., see F. Hanic 36 (1989) 197
- Kony, D., see F. Krok 36 (1989) 251
- Korobkov, I.I., see M. Hartmanová 36 (1989) 137
- Korosteleva, A.I., see E.A. Ukshe 36 (1989) 219
- Kosacki, I., T. Stefański, A.P. Litvinchuk and M.Ya. Valakh, Anion disordering in $\text{Cd}_{1-x}\text{Pb}_x\text{F}_2$ superionic crystals 36 (1989) 227
- Kozlov, G.V., see V. Železný 36 (1989) 173
- Krok, F., see P.G. Bruce 36 (1989) 171
- Krok, F., D. Kony, J.R. Dygas, W. Jakubowski and W. Bogusz, On some properties of NASICON doped with MgO and CoO 36 (1989) 251
- Kuhnast, F.A., see M. Lumberras 36 (1989) 77
- Kukan, Ľ., see Š. Lányi 36 (1989) 179
- Kurek, P., see J.L. Nowiński 36 (1989) 213
- Kurek, P., see J. Garbarczyk 36 (1989) 239
- Kurek, P., J.L. Nowiński and W. Jakubowski, The electrical properties of $0.45\text{Li}_2\text{O}-0.55\text{B}_2\text{O}_3$ glasses doped with Al_2O_3 or LISICON 36 (1989) 243
- Lang, H.-J., see T. Reetz 36 (1989) 193
- Lányi, Š., J. Tuček, Yu.M. Gerbstein and Ľ. Kukan, Electrical properties of RbAg_4I_5 /nearly planar electrode interfaces 36 (1989) 179
- Leonova, L.S., see E.A. Ukshe 36 (1989) 219
- Lesunova, R.P., L.S. Karenina, S.F. Palguev and E.I. Burmakin, The investigation of electrical conductivity of lanthanum, calcium and aluminium nitrides 36 (1989) 275
- Linhardt, P., see H. Durakpasa 36 (1989) 205
- Litvinchuk, A.P., see I. Kosacki 36 (1989) 227
- Lumberras, M., C. Carabatos-Nédelec, F.A. Kuhnast, J. Hertz and S. Jebbari, Thermal properties of mixed lead halide ionic conductors $\text{PbCl}_{2x}\text{Br}_{2(1-x)}$ 36 (1989) 77

- Mangahara, T., see T. Esaka 36 (1989) 129
- Maruyama, T., A. Yamanaka and Y. Saito, Phase relation in BaBiO_{3-x} by coulometric titration 36 (1989) 121
- Merinov, B.V., see A.I. Baranov 36 (1989) 279
- Möbius, H.-H., see U. Guth 36 (1989) 127
- Molenda, J. and A. Stokłosa, Electronic structure and electrochemical properties of VO_2 36 (1989) 43
- Molenda, J., A. Stokłosa and T. Bąk, Modification in the electronic structure of cobalt bronze Li_xCoO_2 and the resulting electrochemical properties 36 (1989) 53
- Montani, R.A. and J.C. Pazán, On the temperature dependence of the chemical diffusion coefficient in the mixed conductor cuprous iodide 36 (1989) 65
- Morháčová, E., see M. Hartmanová 36 (1989) 137
- Mrowec, S., Defect and transport properties of nonstoichiometric ferrous oxide 36 (1989) 149
- Müller, W. and M. Torge, Lithium ion migration in glasses 36 (1989) 201
- Nariki, S., S. Ito, K. Uchinokura, T. Uchida and N. Yoneda, Mixed alkali effect in ionic conduction of $(\text{K}^+, \text{M}^+)-\beta''$ -ferrites ($\text{M}^+ : \text{Na}^+$ and Cs^+) β'' -alumina structure 36 (1989) 103
- Nowiński, J., see J. Garbarczyk 36 (1989) 239
- Nowiński, J.L., see B. Wnętrzewski 36 (1989) 209
- Nowiński, J.L., P. Kurek and W. Jakubowski, Some properties of the $\text{AgI}-\text{Ag}_2\text{O}-\text{P}_2\text{O}_5$ glasses doped with Al_2O_3 36 (1989) 213
- Nowiński, J.L., see P. Kurek 36 (1989) 243
- Ohtsu, S., see H. Uchida 36 (1989) 89
- Orliukas, A., see R. Vaitkus 36 (1989) 231
- Palguez, S.F., see R.P. Lesunova 36 (1989) 275
- Pawłowski, A., see V. Železný 36 (1989) 173
- Petrenko, V.F., see A.V. Zaretskii 36 (1989) 225
- Petrucci, L., see D. Gozzi 36 (1989) 159
- Petzelt, J., see V. Železný 36 (1989) 173
- Plocharski, J., see W. Wieczorek 36 (1989) 255
- Przyłuski, J. and W. Wieczorek, Increasing the conductivity of polymer solid electrolytes: a review 36 (1989) 165
- Reetz, T., I. Haase, H. Ullmann, H.-J. Lang, F. Hanic, V. Šály and M. Hartmanová, Preparation and properties of transparent thorium-yttria ceramics 36 (1989) 193
- Rudolph, B., see W. Burckhardt 36 (1989) 153
- Saito, Y., see T. Maruyama 36 (1989) 121
- Šály, V., M. Hartmanová and V.B. Glushková, Electrical behaviour of HfO_2 stabilized with rare earths 36 (1989) 189
- Šály, V., see T. Reetz 36 (1989) 193
- Samaras, I., see C. Julien 36 (1989) 113
- Samulionis, V., see A. Kezhionis 36 (1989) 235
- Schagina, N.M., see A.I. Baranov 36 (1989) 279
- Schmidt, P., see U. Guth 36 (1989) 127
- Scrosati, B., see F. Croce 36 (1989) 85

- Shrivastava, O.P., see N.F. Uvarov 36 (1989) 39
- Shuvalov, L.A., see A.I. Baranov 36 (1989) 279
- Singh, K., see P.R. Gandhi 36 (1989) 97
- Skritskij, V., see A. Keshionis 36 (1989) 235
- Somov, S.I., Application of gas-diffusive solid electrolyte cell for analysis of gas with high oxygen content 36 (1989) 263
- Sorokin, N.I., see A.K. Ivanov-Shits 36 (1989) 7
- Stefański, T., see I. Kosacki 36 (1989) 227
- Stokłosa, A., see J. Molenda 36 (1989) 43
- Stokłosa, A., see J. Molenda 36 (1989) 53
- Such, K., see W. Wiczeorek 36 (1989) 255
- Terekhov, V.I., see L.D. Yushina 36 (1989) 259
- Tkachenko, E.V., see V.V. Boldyrev 36 (1989) 1
- Tomellini, M., see D. Gozzi 36 (1989) 159
- Torge, M., see W. Müller 36 (1989) 201
- Travěnc, I., see M. Hartmanová 36 (1989) 137
- Travěnc, I. and P. Kalinay, Proposal of a method for fitting parameters of an equivalent circuit for dielectrics 36 (1989) 267
- Travěnc, I., see P. Kalinay 36 (1989) 271
- Tregubchenko, A.V., see A.I. Baranov 36 (1989) 279
- Trukhanov, A.V., see A.V. Zaretskii 36 (1989) 225
- Tuček, J., see Š. Lányi 36 (1989) 179
- Uchida, H., H. Yoshikawa, T. Esaka, S. Ohtsu and H. Iwahara, Formation of photons in SrCeO₃-based proton conducting oxides. Part II. Evaluation of proton concentration and mobility in Yb-doped SrCeO₃ 36 (1989) 89
- Uchida, T., see S. Nariki 36 (1989) 103
- Uchinokura, K., see S. Nariki 36 (1989) 103
- Ukshe, E., see R. Vaitkus 36 (1989) 231
- Ukshe, E.A., Electrochemical processes at the interface between solid electrolyte and liquid electrolyte 36 (1989) 143
- Ukshe, E.A., see N.G. Bukun 36 (1989) 183
- Ukshe, E.A., L.S. Leonova and A.I. Korosteleva, Protonic conduction in heteropoly compounds 36 (1989) 219
- Ullmann, H., see T. Reetz 36 (1989) 193
- Urusovskaya, A.A., see M. Hartmanová 36 (1989) 137
- Urusovskaya, A.A., see F. Hanic 36 (1989) 197
- Uvarov, N.F., E.F. Hairtdinov and A.K. Ivanov-Shits, ac conductivity and anionic disorder in the solid solutions Sr_{1-x}La_xF_{2+x}, I. Experimental data 36 (1989) 23
- Uvarov, N.F. and E.F. Hairtdinov, ac conductivity and anionic disorder in the solid solutions Sr_{1-x}La_xF_{2+x}, II. Analysis and discussion of the data 36 (1989) 29
- Uvarov, N.F., O.P. Shrivastava and E.F. Hairtdinov, Composite solid electrolytes in the Li₂SO₄-Al₂O₃ system 36 (1989) 39
- Vaitkus, R., A. Orliukas, N. Bukun and E. Ukshe, Dielectric properties of NASICON crystals 36 (1989) 231
- Valakh, M.Ya., see I. Kosacki 36 (1989) 227

- Volkov, A.A., see V. Železný 36 (1989) 173
Voronin, A.P., see V.V. Boldyrev 36 (1989) 1
- Wang, D.-Z., see B. Zhu 36 (1989) 15
West, A.R., see G.K. Duncan 36 (1989) 109
Wieczorek, W., see J. Przyłuski 36 (1989) 165
Wieczorek, W., K. Such, H. Wyciślik and J. Plocharski, Modifications of crystalline structure of PEO polymer electrolytes with ceramic additives 36 (1989) 255
Wnętrzewski, B., J.L. Nowiński and W. Jakubowski, Glasses of AgI-Ag₂O-P₂O₅ system containing AgI crystalline precipitates 36 (1989) 209
Wyciślik, H., see W. Wieczorek 36 (1989) 255
- Yahiro, H., K. Eguchi and H. Arai, Electrical properties and reducibilities of ceria-rare earth oxide systems and their application to solid oxide fuel cell 36 (1989) 71
Yakobson, B.I., see V.V. Boldyrev 36 (1989) 1
Yamanaka, A., see T. Maruyama 36 (1989) 121
Yoneda, N., see S. Nariki 36 (1989) 103
Yoshikawa, H., see H. Uchida 36 (1989) 89
Yu, W., see B. Zhu 36 (1989) 15
Yushina, L.D. and V.I. Terekhov, Properties of electrode materials synthesized on the base of copper(I) chalcogenides 36 (1989) 259
- Zaretskii, A.V., V.F. Petrenko, A.V. Trukhanov and V.A. Chesnakov, High protonic conductivity of heavily KOH-doped ice 36 (1989) 225
Železný, V., J. Petzelt, Yu.G. Goncharov, G.V. Kozlov, A.A. Volkov and A. Pawłowski, Far infrared properties of Cs₃H(SeO₄)₂ protonic conductor 36 (1989) 173
Zhang, Y.R., see S. Aronson 36 (1989) 81
Zhu, B., D.-Z. Wang and W. Yu, The study of structure and electrical properties of montmorillonite solid electrolyte 36 (1989) 15
Zyryanova, I.L., see F. Hanic 36 (1989) 197

SUBJECT INDEX TO VOLUME 36

- ac conductivity, 23, 29
ac response, 271
Alkali phosphate, 279
Alumina, 243
Anion disorder, 29, 227
- Barium bismuth oxide, 121
Battery, 171
 β -alumina, 109
 β^* -alumina, 103, 109
 β -ferrite, 103
 β^* -ferrite, 103
Bismuth oxide, 129
Bismuth selenide, 113
Bismuth sulfide, 113
Blocking electrode, 205
Bronze, 53
- Cells, 53, 259
Ceria, 71
Clay, 15
Cobalt oxide, 53, 251
Composite (solid) electrolytes, 39
Conductivity, 103
Copper batteries, 259
Coulometric titration, 121
Cuprate superconductors, 85
Cuprous iodide, 65
- Defect clusters, 149
Dielectrics, 231, 267
Dipole, 29
 relaxation, 23
DSC, 209
- Electrical conductivity, 193
Electrochemical potential spectroscopy (EPS), 113
Electrochemical stability, 153
Electrode polarization, 127
Electron conductivity, 65
Erbium oxide, 217
ESR spectra, 15
- Far infrared spectroscopy, 175
Fluorite, 23, 29, 227
Frenkel defects, 29
Fuel cell, 71
- Galvanic cell, 121
- Glass, 59, 153, 201, 209, 213, 239, 243
 structure, 97
Glass transition, 213
 temperature, 205
Grain boundaries, 137
- Hafnium oxide, 189
Heteropoly molybdates, 219
Heteropoly tungstates, 219
Hole transport, 217
Hydrogen bond, 279
Hydrogen sulfate, 279
- ICE, 225
Impedance, 205
 measurement, 7
 spectroscopy, 127
Intercalation, 43, 53, 113, 183
Interface, 271
Interfacial properties, 143, 171
Iodine complexes, 81
Ionic conductivity, 77, 239
 aluminium, 275
 lithium, 59, 97, 153, 155, 165, 171, 201, 247
 oxygen, 71, 129, 137, 189
 proton, 89, 175, 217, 219, 225, 279
 silver, 179, 213
 sodium, 165, 231, 255
Iron oxide, 149
- Lead halides, 77
LISICON, 243, 247
Lithium borate, 59, 243
Lithium phosphate, 155
Lithium silicate, 155
- Magnesium oxide, 251
Membrane, 143
Meyer-Nelder rule, 239
Microhardness, 197
Migration energy, 23
Mixed alkali effect, 103
Montmorillonite, 15
- NASICON, 231, 235, 251
- Optical absorption, 197
Oxygen activity
 measurement, 159

- Oxygen incorporation
 mechanism, 85
Oxygen sensors, 263
- Phase diagram, 77, 225
Phosphate, 213
Poly-ethylene oxide, 165, 171, 255
Polytypism, 109
Proton synthesis, 89
Pumping cell, 263
- Radiation induced synthesis, 1
Raman scattering, 227
Rare earth oxides, 71
Rare earths, 7
Reactivity, 1
Rubidium silver iodide, 179
- Sensor, 127
Silver iodide, 81, 209, 213
Silver rubidium iodide, 183
Sodium iodide, 255
Solid electrolyte, 263, 271
Specific heat, 77
Stoichiometry, 43
Strontium cerate, 89
Synthesis, 1
- Tellurium oxide, 129
Ternary glass system, 97
Thermal properties, 77
Thermodynamics, 81, 149
Thorium oxalate solid solution, 193
Titanium disulfide, 183
Transference number, 275
Transport ceramics, 193
Triphenyl complexes, 81
Tubandt technique, 275
Tungsten trioxide, 197
- Vanadium dioxide, 43
- Wagner's polarisation, 65
Warburg impedance, 143
- X-ray, 129
- YSZ cells, 159
Yttria, 137
Yttrium barium cuprate, 85
- Zirconia, 197
Zirconia electrolytes, 159

